

Title (en)

METHOD AND APPARATUS FOR EVALUATING SOFTWARE RUNNING ENVIRONMENT QUALITY OF DEVICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEWERTUNG DER DIENSTGÜTE DER AUSFÜHRUNGSUMGEBUNG EINER SOFTWARE

Title (fr)

PROCÉDÉ ET APPAREIL D'ÉVALUATION DE LA QUALITÉ D'ENVIRONNEMENT D'EXÉCUTION DE LOGICIEL D'UN DISPOSITIF

Publication

**EP 3672119 A4 20200826 (EN)**

Application

**EP 18849871 A 20180808**

Priority

- CN 201710767473 A 20170831
- CN 2018099354 W 20180808

Abstract (en)

[origin: EP3672119A1] Embodiments of this application disclose a method and an apparatus for evaluating quality of a software running environment of a device. The method includes: determining time deviation values of a to-be-evaluated device in all of N time periods (S11); determining an inherent deviation value based on the time deviation values in all of the N time periods (S12); determining, based on the time deviation values in all of the N time periods and the inherent deviation value, timing jitter amplitudes in all of the N time periods (S13); and selecting a target timing jitter amplitude with a largest timing jitter amplitude. The evaluation parameter for measuring the quality of the software running environment of the to-be-evaluated device can be obtained, and the quality of the software running environment of the device can be evaluated by using the evaluation parameter.

IPC 8 full level

**H04J 3/06** (2006.01); **H04J 3/14** (2006.01)

CPC (source: CN EP US)

**G06F 11/3612** (2013.01 - US); **G06Q 10/06** (2013.01 - EP); **G06Q 10/0639** (2013.01 - CN); **G06Q 50/60** (2024.01 - CN EP); **H04J 3/0685** (2013.01 - EP)

Citation (search report)

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- [A] ATTILA PÁSZTOR ET AL: "PC based precision timing without GPS", MEASUREMENT AND MODELING OF COMPUTER SYSTEMS, ACM, 2 PENN PLAZA, SUITE 701 NEW YORK NY 10121-0701 USA, 1 June 2002 (2002-06-01), pages 1 - 10, XP058188641, ISBN: 978-1-58113-531-2, DOI: 10.1145/511334.511336
- [A] "Network Functions Virtualisation Infrastructure Key Quality Indicators ;GS abc xxx", ETSI DRAFT; GS ABC XXX, EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI), 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS ; FRANCE, vol. ISG - NFV, no. Vm.t.e, 13 January 2014 (2014-01-13), pages 1 - 30, XP014227472
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- See also references of WO 2019042102A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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**EP 3672119 A1 20200624**; **EP 3672119 A4 20200826**; **EP 3672119 B1 20240515**; CN 109426911 A 20190305; CN 109426911 B 20220405; US 11263112 B2 20220301; US 2020192782 A1 20200618; WO 2019042102 A1 20190307

DOCDB simple family (application)

**EP 18849871 A 20180808**; CN 201710767473 A 20170831; CN 2018099354 W 20180808; US 202016802957 A 20200227